HATENT COOPERATION TREAT.

	From the INTERNATIONAL BUREAU
PCT	To:
101	ļ
NOTIFICATION OF ELECTION	United States Patent and Trademark Office
(PCT Rule 61.2)	(Box PCT)
(1 01 110.0 0 1.12)	Crystal Plaza 2
	Washington, DC 20231 ÉTATS-UNIS D'AMÉRIQUE
	ETATS-ONIS D'AMEMICOL
Date of mailing (day/month/year) 22 March 1999 (22.03.99)	in its capacity as elected Office
	Applicant's or agent's file reference
International application No.	660827
PCT/JP98/03336	
International filing date (day/month/year)	Priority date (day/month/year) 25 July 1997 (25.07.97)
27 July 1998 (27.07.98)	25 5417 1557 (25.07.57)
Applicant .	
NAKAMURA, Shuji et al	
The designated Office is hereby notified of its election made	e:
X in the demand filed with the International Preliminary	/ Examining Authority on:
17 February 19	3 99 (17.02.99)
,	
in a notice effecting later election filed with the Intern	national Bureau on:
· -	
2. The election X was	
2. The election X was	
was not	
made before the expiration of 19 months from the priority	date or, where Rule 32 applies, within the time limit under
Rule 32.2(b).	
Market Committee of the	
`.	
	Authorized officer
The International Bureau of WIPO 34, chemin des Colombettes	Sean Taylor
1211 Geneva 20, Switzerland	Joan Taylor

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number EP 98 93 3944

 -	· · · · · · · · · · · · · · · · · · ·	ERED TO BE RELEVANT		
Category	Citation of document with i of relevant pass	ndication, where appropriate, sages	Relevant to claim	CLASSIFICATION OF TH APPLICATION (Int.Cl.6)
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A	* the whole documen	t^*	3,4	
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E	DE 198 30 838 A (RO 14 January 1999 (19 * column 3, line 44		12	
	,			
·	The supplementary search report set of claims valid and available a	t has been based on the last at the start of the search.		
	Place of search	Date of completion of the search		Examiner
	THE HAGUE	22 August 2000	van	der Linden, J.E
X : partio Y : partio docui	NTEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with anoth ment of the same category nological background	T : theory or princip E : earlier patent do after the filing da er D : document cited i L : document cited f	cument, but publis te n the application	
O:non-	written disclosure nediate document	& : member of the s document	ame patent family	, corresponding

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 98 93 3944

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The m mbers are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

22-08-2000

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特許協力条約

PCT

国際予備審査報告

(法第12条、法施行規則第56条) [PCT36条及びPCT規則70]

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L	WIP()	F	CT	

2K 9018

四顧人又は代理人の書類記号 660827	「一学後の手続きについては、国際予備審査報告の送付通知(様式PCT/ IPEA/416)を参照すること。				
国際出願番号 PCT/JP98/03336	国際出願日(日.月.年)	27.07.98	優先日 (日.月.年)	25.07.97	
国際特許分類 (IPC) Int. Cl ⁶ H01	. 33/00				
出願人 (氏名又は名称) 日亜化学工業株式会社					
1. 国際予備審査機関が作成したこの 2. この国際予備審査報告は、この表				規定に従い送付する。	
□ この国際予備審査報告には、 査機関に対してした訂正を含 (PCT規則70.16及びPC) この附属書類は、全部で	む明細書、請求の針 「実施細則第607	適囲及び/又は図面も 号参照)		び/又はこの国際予備審	
3. この国際予備審査報告は、次の内	容を含む。				
I X 国際予備審査報告の基礎	t	٠.			
Ⅱ □ 優先権					
Ⅲ 別 新規性、進歩性又は産	美上の利用可能性に	ついての国際予備審	査報告の不作成		
IV 開の単一性の欠如					
V 区 PCT35条(2)に規定 の文献及び説明 VI	する新規性、進歩性	生又は産業上の利用可	「能性についての見	解、それを裏付けるため	
VII 国際出願の不備					
VII 国際出願に対する意見			·		
,					
国際予備審査の請求書を受理した日 17.02.99		国際予備審査報告	デを作成した日 26.10.99		

特許庁審査官(権限のある職員)

電話番号 03-3581-1101 内線 3254

日本国特許庁 (IPEA/JP) 郵便番号100-8915 東京都千代田区霞が関三丁目4番3号

名称及びあて先



国際出願番号 PCT/JP98/03336

I. 国際予備審	査報告の基礎	 	
応答するた			れた。 (法第6条 (PCT14条) の規定に基づく命令に おいて「出願時」とし、本報告書には添付しない。
X 出願時の	国際出願書類		
明細書 明細書 明細書	第 第 	_ ページ、 _ ページ、 _ ページ、 _	出願時に提出されたもの 国際予備審査の請求書と共に提出されたもの 付の書簡と共に提出されたもの
計求の範 請求の範 請求の範 請求の範	囲 第 囲 第	_項、 _項、 _項、 項、	出願時に提出されたもの PCT19条の規定に基づき補正されたもの 国際予備審査の請求書と共に提出されたもの 付の書簡と共に提出されたもの
図面図面図面	第 第 <u></u>	_ページ/図、 _ページ/図、 _ページ/図、	出願時に提出されたもの 国際予備審査の請求書と共に提出されたもの 付の書簡と共に提出されたもの
明細書の	配列表の部分 第 配列表の部分 第 配列表の部分 第	_ページ、 _ページ、 _ページ、	出願時に提出されたもの 国際予備審査の請求書と共に提出されたもの 付の書簡と共に提出されたもの
上記の書類 □ 国際部 □ PC1	書類の言語は、下記に示す場合をは、下記の言語である 関査のために提出されたPCT規即 「規則48.3(b)にいう国際公開の言 「備審査のために提出されたPC?	語である 到23.1(b)にいっ 語	る。
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□	国際出願に含まれる書面による配列 国際出願と共に提出されたフレキミ 後に、この国際予備審査(または記 後に、この国際予備審査(または記 後に提出した書面による配列表がと 是出があった	列表 ンプルディスク 調査)機関に提 調査)機関に提 出願時における	
明細書 請求の範 図面 5. この国際 れるので	図面の第	_項 ペー: ように、補正だ して作成した。	ジ/図 が出願時における開示の範囲を越えてされたものと認めら (PCT規則70.2(c) この補正を含む差し替え用紙は上 告に添付する。)





国際予備審査報告

国際出願番号 PCT/JP98/03336

新規性、進歩性又は産業上の利用可能 文献及び説明	能性についての法第12∮ ───	条 (PCT35条)	2)) に定める見解、そ	れを裏付け
. 見解				
新規性(N)	請求の範囲 請求の範囲	1-12		有 無
進歩性(IS)	請求の範囲 請求の範囲	1-12		有 無
産業上の利用可能性 (IA)	請求の範囲 請求の範囲	1-12		有 無
文献及び説明(PCT規則70.7)	· · · · · · · · · · · · · · · · · · ·			
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		•		
·				

Translation



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 660827 FOR FURTHER ACTION SeeNotificationofTransmittalofInternational Prelimi Examination Report (Form PCT/IPEA/416)					
International application No.	International filing date (day/n	nonth/year)	Priority date (day/month/year)		
PCT/JP98/03336	27 July 1998 (27.07	.1998)	25 July 1997 (25.07.1997)		
International Patent Classification (IPC) or national classification and IPC H01L 33/00					
Applicant . NIC	CHIA CHEMICAL INDU	STRIES, LTI	D.		
This international preliminary exami and is transmitted to the applicant ac		by this Internat	ional Preliminary Examining Authority		
2. This REPORT consists of a total of	sheets, including	ng this cover she	eet.		
amended and are the basis for	ed by ANNEXES, i.e., sheets or this report and/or sheets contain Administrative Instructions und	ning rectification	, claims and/or drawings which have been ons made before this Authority (see Rule		
These annexes consist of a tol	tal of sheets.				
3. This report contains indications relat	ting to the following items:				
I Basis of the report					
II Priority	II Priority				
III Non-establishment o	of opinion with regard to novelty	y, inventive step	and industrial applicability		
IV Lack of unity of inve	Lack of unity of invention				
V Reasoned statement citations and explana	V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
VI Certain documents o					
Contain defeats in th	e international application				
\" <u>-</u>	s on the international application	า			
VIII 🗀					
		~			
Date of submission of the demand	Date o	f completion of	this report		
17 February 1999 (17.02	2.1999)	26 Oc	tober 1999 (26.10.1999)		
Name and mailing address of the IPEA/JP Japanese Patent Office, 4-3 Kasumigas		rized officer	·		
Chiyoda-ku, Tokyo 100-8915, Japan Facsimile No. (81-3) 3581 1101					



International application No.

PCT/JP98/03336

I. I	Basis e	of the report
1.	With 1	regard to the elements of the international application:*
	\boxtimes	the international application as originally filed
		the description:
		pages, as originally filed
		pages, filed with the demand
		pages, filed with the letter of
1		the claims:
•	لـــا	pages , as originally filed
		pages, as amended (together with any statement under Article 19
		pages, filed with the demand
		pages, filed with the letter of
	\Box	the drawings:
ı	_	pages , as originally filed
		pages, filed with the demand
		pages, filed with the letter of
1	<u></u> "	ne sequence listing part of the description:
1	<u></u> "	
		pages, as originally filed pages, filed with the demand
		pages, filed with the demand pages, filed with the letter of
	the in	regard to the language, all the elements marked above were available or furnished to this Authority in the language in which ternational application was filed, unless otherwise indicated under this item. elements were available or furnished to this Authority in the following language which is: the language of a translation furnished for the purposes of international search (under Rule 23.1(b)). the language of publication of the international application (under Rule 48.3(b)).
		the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).
3.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international ninary examination was carried out on the basis of the sequence listing:
	\square	contained in the international application in written form.
	Щ	filed together with the international application in computer readable form.
	닏	furnished subsequently to this Authority in written form.
	\square	furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4.		The amendments have resulted in the cancellation of:
		the description, pages
		the claims, Nos.
		the drawings, sheets/fig
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
	Repla in thi. and 70	cement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to s report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16).17).
		eplacement sheet containing such amendments must be referred to under item 1 and annexed to this report.



International application No.

PCT/JP98/03336 V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1. Statement YES Novelty (N) Claims 1-12 NO Claims YES Inventive step (IS) Claims 1-12 NO Claims YES Industrial applicability (IA) Claims 1-12 NO Claims 2. Citations and explanations